

## NOTIFICATION OF REASONS FOR REJECTION

Date of Issue: November 26, 2003

Patent Application No.: 091125094

Filing Date: October 25, 2002

Applicant: Kabushiki Kaisha Toshiba

Title of Invention: Variable displacement condenser and amplifier applied to a

semiconductor device

Basis for rejection: Section 20(2) of the Patent Law

## Reasons:

- (1) The "variable displacement condenser and amplifier applied to a semiconductor device" of the present application provide a semiconductor which reduces the resistance of a base part of a well region in a substrate. The present invention is characterized in that it is possible to reduce the resistance between a first conductive well region and a second conductive well region by implanting a high concentration ion into the base part of the well region.
- (2) The technology of the present invention is a well known technology in which a low resistance region is formed in the base part of a well region by implantation of a high concentration ion. For example, Chinese Patent Publication No. 409353 (published on October 21, 2000) regarding "a manufacturing process of a metal contact to reduce contact resistance and a metal contact forming a transistor using the manufacturing process" (refer to the attached Reference) discloses implanting a high concentration ion into a region and reducing contact between the contact parts. Therefore, comparing the present invention and the invention disclosed in the Reference, both define a method in which the resistance effect between

contact parts are reduced by implanting a high concentration ion into the region. The difference between the two inventions is that the structure of the semiconductors used are different. The difference can easily be conceived from the Reference and the present invention can be performed. Thus, the present application does not possess an inventive step.

- (3) Summarizing the above, a person skilled in the art can easily perform the present invention by applying the technology or knowledge already existing before the present application, and it is difficult to say that the application satisfies the requirement of a patent.
  - Based on the above conclusion, the present application does not satisfy the requirement provided in the Patent Law (Section 20(2) of the Patent Law).

## 验齊陪皆慧問畜品專床妹題審实書

文 香:東芝班份市界公信(外町人:魯路文夫主、蕭縣彰 決土)

:臺北市中五區職所蘇紹二段一○○黎子 中マ神 **74** 

發文日膜:中華月國六十二年十一月二十六日

發文字號:〈 六二〉皆專二(一)04090字 第〇九二二一九九三〇〇歳 、申請案號幾:〇九一一二五〇九四

專除会験IPC(1)····H01L 27/08

二、發明な辭:愈用然厄變容量雷容器及放大器的半彰觀裝置

三、申請人:

**去辦:東芝銀份南別公后** 

本日:肝平

, 專床孙甄人: 521

拉名:魯銘文 先生

此址:臺北市中五回戰消尉路二段一○○說十數人

姓名:蕭瑟書 先生

班:臺北市中五圖羅供蘇松二與一○○號上數人 44

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五、申請日閧:九十一年十月二十五日六、憂夬難所目:

1 2001/12/27 田本2001-398386

十、審查人員姓名:態志彰 委員

人,審实内容:

主文:本案熟不予專味

**办隸:專际去第二十科第二頁。** 

: 甲 酥

- 臯 Ł 蘇和別基球的井副 和哈-**則的半夢觀裝置,其辞徵為:條用高潔奧鵝子都蘇錄雖井副承陪,而以劉別第一尊。** (一)本案「愈用纮厄變雷容器又放大器的半整體裝置」刹默判一 刵 井區與第二學雷井區間的雷
- 形太雷 **丛本案與戶監案出頻影下發貶兩案主張衣汽討為除用高影奧鵝子** Ø 刑 用高珍鄉 **剥別井副雷則實為一數玄應映始技谳,吸八十九年十月二十一日公告△中華另** 别 1.Y 辞 · 鄉豚 黨 **晶體√金屬與酶」(毋に諡忉朴)、口卧示际用高影敦糖子ᆎ財終辦副紋、** 用慈 本案的技術本法作用高影奧鵝子和蘇蘇縣井副烈陪以形放別雷則圖数 味 專除公告歐點第四○九三五三點「卻別無顧雷則△金屬無顧壞錄及 围 臯 間間 霜 匡 鬨 鉄



以彭侄郛办妾随据冒始雷即校果、其恙異處勤本或用始半彰體詩斠不同 **献终躲圆潋**。

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结差異處而由仍證案轉長味悉並完為,並無願著斯改人處,故本案不具動改封

,而為旗智該再封해者所指轉易完放 (三)說上府述,本案系動用申請前別市人技術為味鑑 · 賴鴨於合發即專係要料

**黏土論討,本案不許去实專<br />
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**<b>为照公图負責账实践聯單如主管来 此不跟本審实,影然友陲么灾日践三十日内,谢具再審查豇由書一次二份及駐費陈台帶對刊示** 墊 (惠际院职售权圖先合档并五十页以上番、每五十页吡划陈台赞正百穴,其不되五十頁番以 五十頁指)。向本局申請再審查